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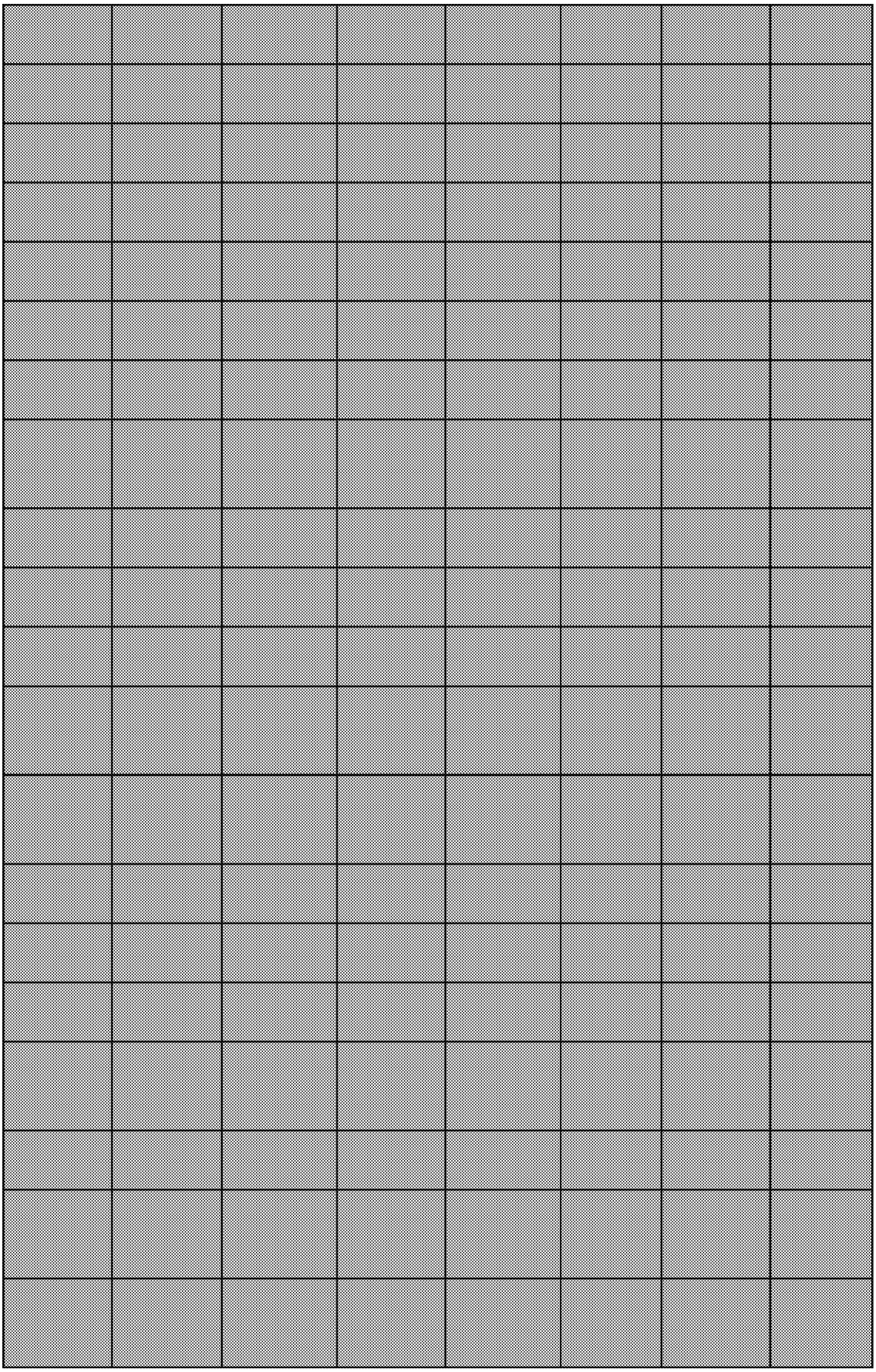

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To enhance adsorption capacity for paraquat, paper pulp cellulose is particularly oxidized via the TEMPO-mediated oxidiz
Carbon paste electrodes (CPEs) modified with silver particles present an interesting tool in the determination of paraqua
Background and Aims Polyphenol oxidases (PPOs) catalyse the oxidation of monophenols and/or o-diphenols to highly re
Developing technology to decrease greenhouse gas emissions is one of the greatest challenges we face in the 21st centu
Cu2ZnSnS4 (CZTS) nanocrystals (NCs) were made via a one-pot solvothermal method with various amounts of available f
A silica/gold (SiO2/Au) cavity array microelectrode was fabricated on a gold film-coated glass slide by using highly ordere
In order to detect trace concentrations of organic or biological molecules by surface-enhanced Raman scattering (SERS) t
Cyclic electron flow (CEF) alleviates PSII photo-inhibition under high light by at least two different mechanisms: one is lik
Conditions of oxidative stress may lead to cataract formation. Reaction of certain flavoproteins, the NADH: oxidoreducta
The dynamics of the electron-transfer quenching of photoexcited Ru(phen)3(2+) by methyl viologen in solutions containi
The assimilatory nitrate reductase (NR) from the cyanobacterium Anabaena doliolum was membrane bound and solubili
Five supramolecular systems containing the Ru(ttp)2(2+) photosensitizer (P) covalently linked to an electron acceptor (A)
No decrease in iron-sulphur centers was found in cultured macrophage cells (J 774) after the treatment with nitric oxide
The interaction of reduced and oxidized glutathiones with the herbicides diquat and paraquat was studied by charge-trar
Electron Spin Resonance and Spin Trapping techniques were used to demonstrate the generation of free radicals during i
The equilibrium binding constants of the charge-transfer complexes formed by the receptor cyclobis(paraquat-p-phenyle
When cultured in the presence of menadione, methyl viologen and, especially, benzyl viologen, Micrococcus lysodeikticu
Treatment of ferredoxin-dependent nitrite reductase, isolated from spinach leaves, with either the lysine-modifying reag

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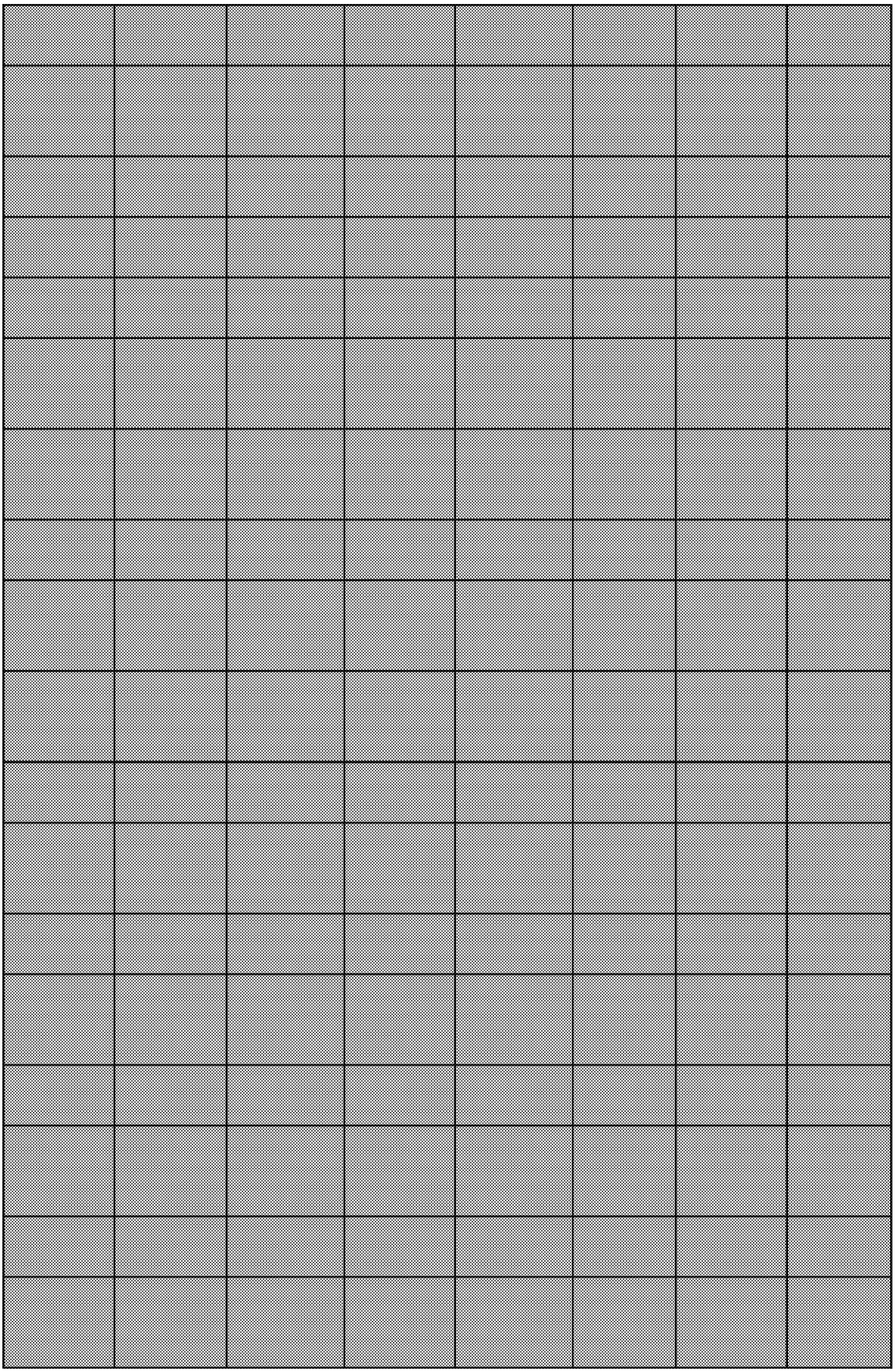

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After benzyl viologen administration to rats, a decrease in the rat liver glutamine synthetase activity was observed. An in
Treatment of ferredoxin-dependent, spinach glutamate synthase with either the arginine-modifying reagent phenylglyox
The relationship between the steady-state proton gradient (DELTApH) and the rate of phosphorylation was investigated i
Treatment of leaves of spinach, corn, and peas with the herbicides paraquat, amitrole or acifluorfen leads to oxidative st
Antibodies raised against the gel-purified denatured M(r) 63000 polypeptide of the ferredoxin-nitrite reductase from Chl
The hyperthermophilic archaeon Pyrococcus furiosus was found to form substantial amounts of L-alanine during batch gr
Transient resonance Raman spectra have been acquired for the chromophore-quencher complexes fac-[(bpy)-Re(I)(CO)3
On reaction of e(aq)(-) with protonated dopamine (D) a transient optical absorption band [formed at lambda(max) = 355
A photoredox-active ligand (CL), the chromophore-quencher complexes Cu(CL)(CF3SO3)2 (1) and Cu(CL)-(H2O)2(CF3SO3)
Ferredoxin-glutamate synthase from the green algae Monoraphidium braunii has been purified (specific activity 16.5 U/r
Three monoclonal hybridoma cell lines were selected by the epitope specificity for the electron donor (ferredoxin and m
The conjugated redox reaction was driven across the electron transfer membrane prepared from a urethane prepolymer
We studied the sensitivity to oxygen of the reductases involved in denitrification by whole cells and membrane fractions
Descriptions of the effects of paraquat (P2+) on the peroxidation of liver microsomes are very divergent. Therefore, the p
A mediated amperometric enzyme electrode sensitive to NADP(+) was developed by co-immobilization of ferrodoxin-NA
The structures of by-products, observed as weak side peaks on the chromatogram by gas chromatographic analysis, were
Recently, self-assembly processes have been used for the construction of a wide diversity of molecular and supramolecu

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